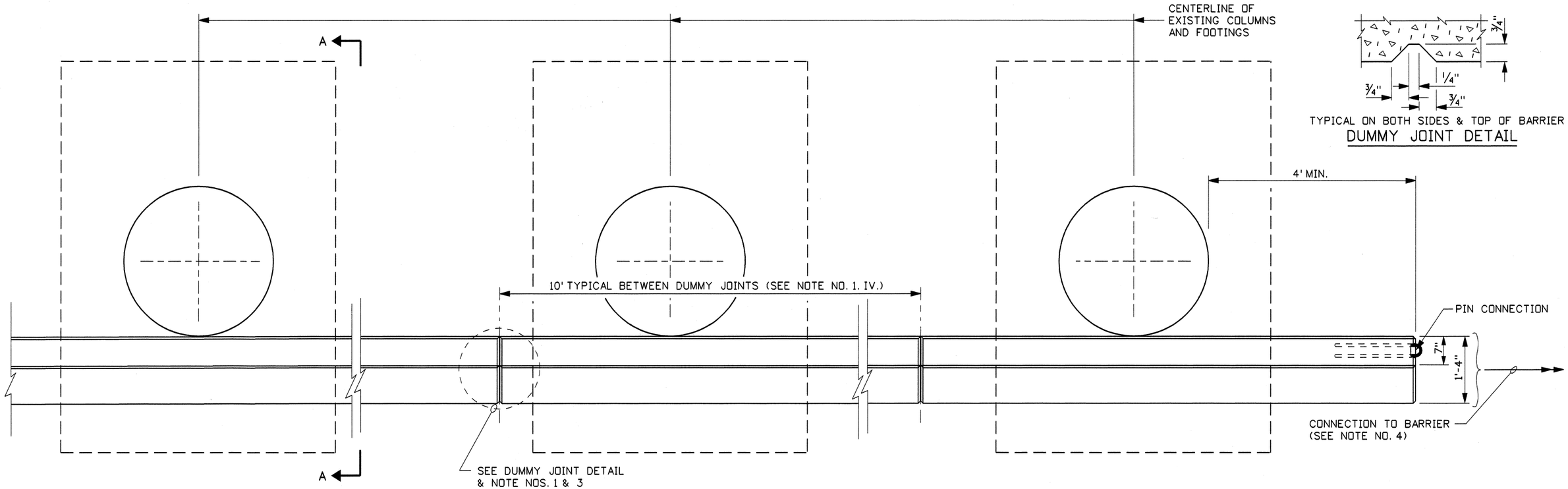
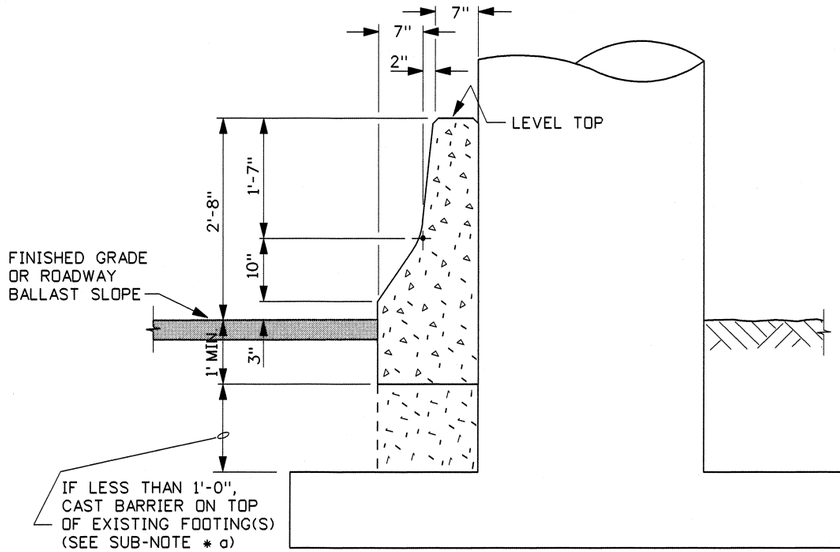


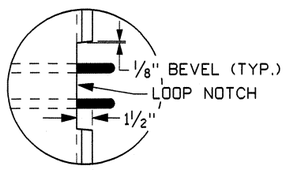
TYPICAL ON BOTH SIDES & TOP OF BARRIER

DUMMY JOINT DETAIL

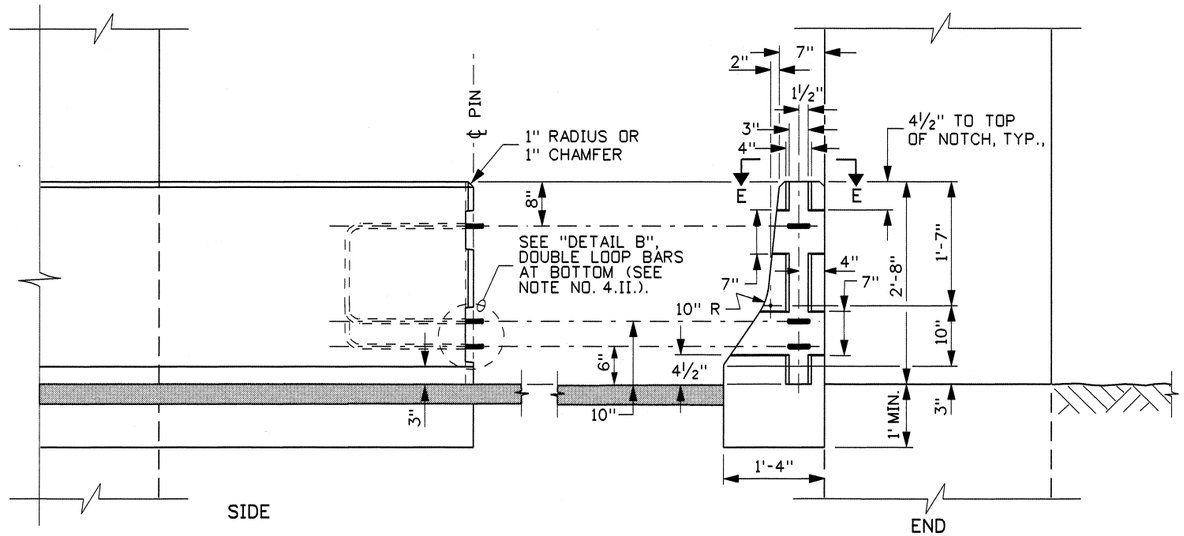
PLAN



SECTION A-A



DETAIL B



CONNECTION END VIEWS

(10' BARRIER END SHOWN)

SUB-NOTES
* a WHEN CONCRETE BARRIER IS EXTENDED TO THE PIER FOOTING THE CONTRACTOR SHALL HAVE THE OPTION OF PLACING THE EXTENSION JUST OVER THE FOOTING OR PLACING THE EXTENSION CONTINUOUS ALONG THE TOTAL LENGTH OF THE BARRIER.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	12-92	MSM	6	5-07	MSM			
2	9-93	MSM						
3	3-00	MSM						
4	6-03	MSM						
5	8-05	MSM						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME g2h_0507.std

DRWG. ORIG. DATE: MARCH, 1992

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

R. B. Thomas
ASSISTANT CHIEF ENGINEER (DEVELOPMENT)
Steven C. Hutchinson
CHIEF ENGINEER

STANDARD DRAWING

SPECIAL CAST-IN-PLACE CONCRETE BARRIER

REQUIRES SHEET 2 OF 2 & STD. DWG. G-2-A-1 OR G-2-A-2

English

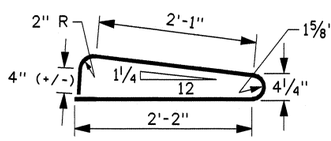
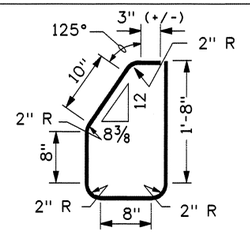
STANDARD DRWG. NO.

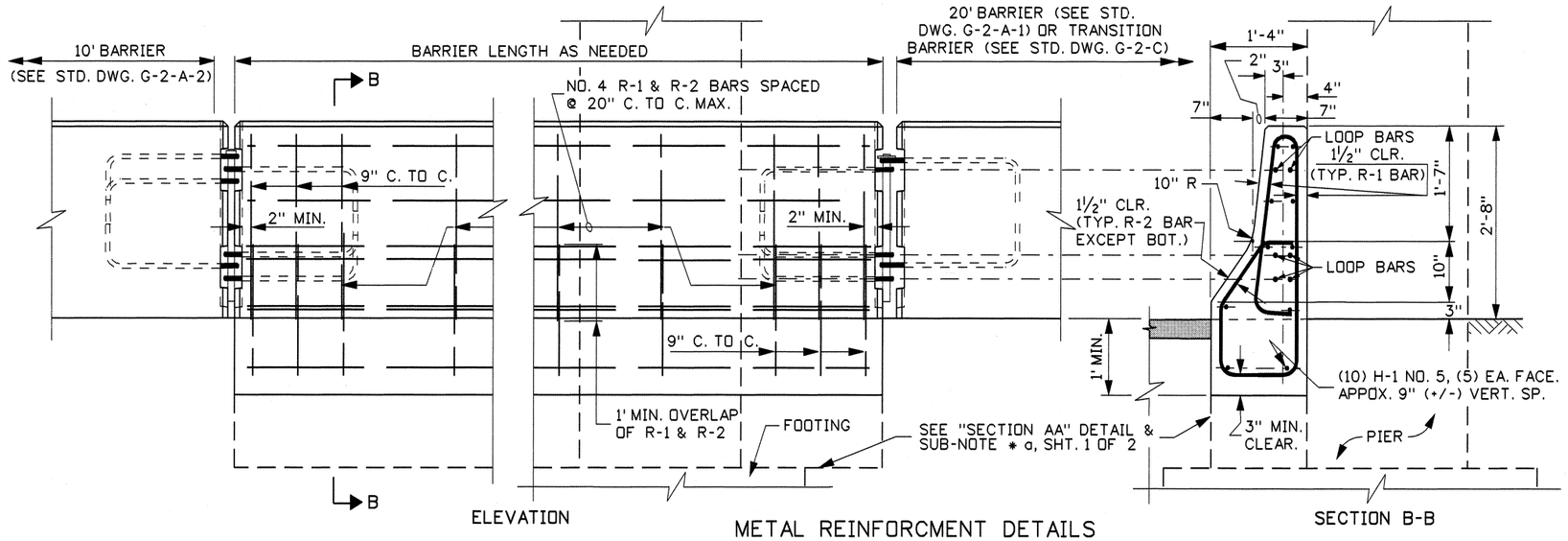
G-2-H

SHEET 1 OF 2

PROFESSIONAL ENGINEER * LAND SURVEYOR
REGISTERED
2240
5-17-07
STATE OF IDAHO
MILFORD MILLER

METAL REINFORCEMENT TABLE
(SEE SUB-NOTES * c & * d)

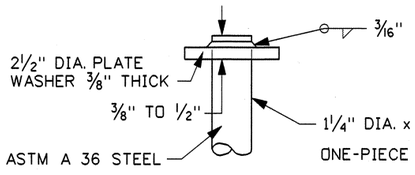
MARK	LOCATION	BAR SIZE	(NO.BARS)	SKETCH
H-1	HORIZONTAL IN BARRIER TIED INSIDE V-1 BARS	NO. 5	(10)	(SEE NOTE NO. 9)
R-1	VERTICAL IN BARRIER TIED T ON R-2 ON BACK	NO. 4	VARIES WITH LENGTH	
R-2	VERTICAL IN BARRIER TIED T ON R-1 ON BACK	NO. 4	VARIES WITH LENGTH	



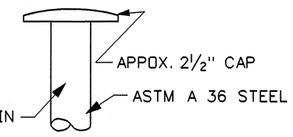
METAL REINFORCMENT DETAILS

SUB-NOTES

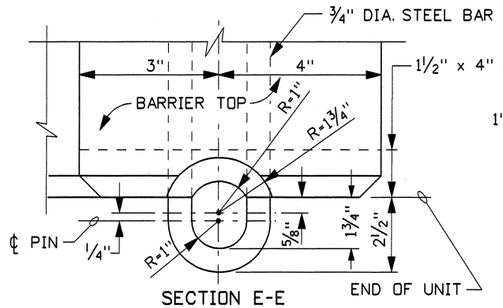
* b ALL METAL REINFORCEMENT BENDS ARE TO BE ACCORDING TO THE LATEST A.C.I. STANDARD PRACTICE AND AASHTO SPECIFICATIONS.
* c DIMENSIONS SHOWN IN THE "METAL REINFORCEMENT TABLE" ARE OUT-TO-OUT (O. TO O.) OF BEND POINTS AND/OR END OF BARS UNLESS OTHERWISE NOTED.



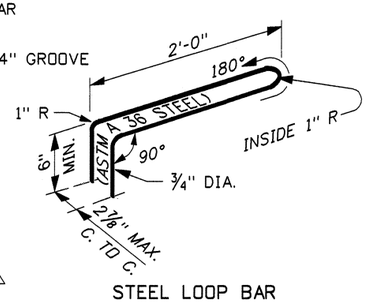
FABRICATED CONNECTING PIN



ONE-PIECE CONNECTING PIN



SECTION E-E



STEEL LOOP BAR

CONNECTION DETAILS

NOTES

1. SPECIAL CAST-IN-PLACE CONCRETE BARRIER SHALL BE:
   I. THE UNIT SHALL BE CAST-IN-PLACE USING CONCRETE CLASS 40B. THE MINIMUM CONCRETE COVER OVER REINFORCEMENT STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
   II. CONSTRUCTED SO THAT THE OUTSIDE FACE IS FLUSH AGAINST THE ADJACENT COLUMN. THE HEIGHT CONTROL SHALL BE AT THE INSIDE FACE.
   III. EPOXY COATED METAL REINFORCEMENT SHALL BE IN ACCORDANCE WITH SECTION 708 - METALS, SUBSECTION 708.02 - REINFORCING STEEL, OF THE CURRENT ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
   IV. THE DUMMY JOINT SPACING SHALL BE 10' OR 20' DEPENDING ON THE LENGTH OF THE ATTACHED MOVEABLE BARRIER. IF NO BARRIER IS ATTACHED THE DUMMY JOINT SPACING SHALL BE 10'.
2. WHEN STANDARD PRECAST BARRIER UNITS ARE USED TO CONTINUE A CAST-IN-PLACE INSTALLATION THE BARRIER FACES SHALL MATCH AND BE IN LINE (IT MAY BE NECESSARY TO SET THE PRECAST BARRIER ON A SAND-CEMENT GROUT LEVELING PAD TO ASSURE THE PROPER HORIZONTAL AND VERTICAL ALIGNMENT OF THE FACES).
3. ALL THE CONCRETE AND REINFORCING STEEL SHOWN SHALL BE INCLUDED IN THE BID ITEM.
4. WHEN TERMINATING THE CAST-IN-PLACE BARRIER:
   I. PREDETERMINE THE APPROPRIATE END LOOPS WHEN CONTINUING WITH 10' OR 20' CONCRETE BARRIER.
   II. WHEN CONTINUING WITH THE TRANSITION BARRIER PLACE THE DOUBLE LOOPS IN THE BOTTOM OF THE CAST-IN-PLACE BARRIER CONFIGURATION (SEE STD. DWG. G-2-A-2).
5. THE STEEL CONNECTOR PIN & CONNECTION LOOPS SHALL CONFORM TO ASTM A 36 REQUIREMENTS. THE EXPOSED CONNECTING LOOP ENDS MAY NEED TO BE BENT, (MECHANICALLY, NOT WITH HEAT) TO FIT THE CONNECTING BARRIER LOOPS.
6. REFER TO THE ROADWAY PLANS FOR THE TYPE OF TERMINAL TO BE USED WITH THE CAST-IN-PLACE CONCRETE BARRIER AND LOCATION OF DELINEATORS WHEN REQUIRED.
9. METAL REINFORCEMENT FOR H-1 BARS SHALL BE CONTINUOUS FOR LENGTHS 40' AND LESS. LAPS SHALL BE A MINIMUM OF 24" FOR LENGTHS GREATER THAN 40'.
10. NOT TO SCALE.

REVISIONS								
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IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

CHIEF ENGINEER

STANDARD DRAWING

SPECIAL CAST-IN-PLACE CONCRETE BARRIER

REQUIRES SHEET 1 OF 2 & STD. DWG. G-2-A-1 OR G-2-A-2

English

STANDARD DRWG. NO. G-2-H

SHEET 2 OF 2

PROFESSIONAL ENGINEER * LAND SURVEYOR REGISTERED 2240 5-17-07 STATE OF IDAHO MILFORD MILLER